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### Requirements for Pre-Medical Professions

#### Choosing a Major:

- See an Advisor
- Pre-health students must choose a major (pre-health is not a major).
- Commonly chosen majors include biology, chemistry, biomedical engineering or physics. However, **any major is acceptable**, so long as students complete the pre-health requirements.

#### Qualities of Professional School Applicants:

1. A high GPA in science and non-science courses – a competitive GPA is above a 3.6
2. High Scores on the MCAT.
3. Active in volunteer/work experience/extracurricular events
4. Has significant clinical experience – shadowing & volunteer work are essential!
5. Well known by professors
6. Great letters of recommendation and evaluations
7. Have a strong, working relationship with the Pre-Health Advising Office!

### Common Pre-requisites for Admission to Medical Schools:

#### Biology

BSC 1010, 1010L (General Bio I & Lab)  
 BSC 1011, 1011L (General Bio II & Lab)

#### General Chemistry

CHM 1045, 1045L (Gen. Chem. I & Lab)  
 CHM 1046, 1046L (Gen. Chem. II & Lab)

#### Organic Chemistry

CHM 2210, 2210L (Org. Chem. I & Lab)  
 CHM 2211, 2211L (Org. Chem. II & Lab)

#### Physics I

PHY 2053, 2048L (Gen. Physics I w/out Calc) OR  
 PHY 2048, 2048L (Gen. Physics I with Calc)

#### Physics II

PHY 2054, 2049L (Gen. Physics II w/out Calc) OR  
 PHY 2049, 2049L (Gen. Physics II with Calc)

Mathematics (minimum req.: Two semesters of university level math)

MAC 2311 & MAC 2312 (Calculus I & II) OR  
 MAC 2311 & STA 2122 & STA 3123 (Intro to Statistics I & II) **-OR-**  
 MAC2311 & STA 3111 & STA 3112 (Statistics I & II)

#### Pre-Medical Students\* Must Take:

Gen. Biochemistry (BCH 3033) **-OR-** Biological Chemistry (CHM 4304)  
 Intro to Social Psychology (SOP 3004) & Intro to Sociology (SYG 2000)

#### *STRONGLY RECOMMENDED:*

EXP 4604 (Cognitive Processes) **OR** PSB 4002 (Intro to Bio Psychology)  
 SYO 3400 (Medical Sociology) **OR** ANT 3462 (Medical Anthropology)

*\*Entering Freshman & students who expect to take their MCAT in 2015 or later. Biochemistry is now **required**.*

*Note: Organic Chemistry II is a pre-requisite for Biochemistry.*

Requirements for professional schools may **vary** (i.e. math courses, social sciences). Students should consult specific websites for information on requirements for desired schools.

#### AP Credits

- Not all professional schools will accept AP credit for science courses (for a list, ask a pre-health advisor)
- Contact the school(s) you are interested in to find out if they accept AP credits
- If a school accepts AP credits, they will usually require additional courses taken in that subject area

#### The MCAT

- MCAT review courses may be taken by potential applicants in the year prior to professional school application
- Genetics, Physiology, and Cell Biology courses are recommended prior to taking the MCAT or DAT

#### GPA Calculation

- Most professional schools will calculate your *Overall GPA* as well as your *Science & Math GPA* (BCPM GPA) for admission
- AP credits are **NOT** computed into your GPA
- ALL post-secondary coursework will be used to compute your GPA for admission
  - ✓ Dual-enrollment and transfer courses **DO** count toward your GPA for admission
- Professional schools **DO NOT** use “forgiveness” policies in calculating your GPA
- DR grades do not count in your GPA. However, avoid DR grades. Professional schools expect students to carry a consistent, full-time course load (15-18 credits)

#### Professional Experience

- Experience must involve physician/patient observation (typically students have >120 hours)
- Students should have at least one year of experience through volunteer or paid positions
- For Veterinary School, experience with all types of animals (small, large, and exotic) is expected
- Students must demonstrate a knowledge of their chosen profession when applying to professional school
  - **NOTE:** Many otherwise well-qualified applicants are not accepted because they lack sufficient experience and or knowledge of their chosen profession

#### **\*\*Academic Advising\*\***

All lower-division, Pre-Health students must see an advisor in their Major Department in addition to an advisor in the Office of Pre-Health Professions Advising prior to registration each semester!